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Broadband X-ray spectrum of the intermediate polar V2400 Oph

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Abstract

We present the results of our analysis of the observations of the intermediate polar V2400 Oph by the INTEGRAL and RXTE observatories. We reconstructed the spectrum of the source over a wide (3-100 keV) energy range. The spectrum obtained can be fitted by a computed theoretical model of the post-shock emitting region with Tmax ~ 22 keV. As a result, we estimated the mass (0.59M⊙) and radius (8.8 × 10 8 cm) of the white dwarf in the system V2400 Oph. © 2004 MAIK "Nauka/Interperiodica".

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Keywords

White dwarfs, X-ray sources